2011 LUMIX®
DMC-ZS8 Digital Camera

Screen image simulated.

16X OPTICAL ZOOM LEICA DC LENS WITH 24MM ULTRA WIDE ANGLE
Precision quality optics—extremely bright with a powerful, versatile range.

POWER O.I.S.
Twice the effect of previous Mega O.I.S., minimizes the effects of hand shake for virtually blur-free close-ups and long-zoom shots.

SONIC SPEED AUTOFOCUS
Capture sudden, spur-of-the-moment photo opportunities with the super-fast response time.

- 14.1 Megapixels
- 3.0" LCD Screen

16x Optical Zoom | LEICA DC LENS | 24mm WIDE | POWER O.I.S. | 14.1 MEGAPIXELS | 3.0" LCD

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METRICS			
Dimensions (W x H x D)			104.9 x 57.6 x 33.4 mm (4.13 x 2.27 x 1.31 in)
Weight			Approx. 188g without Battery and SD Memory Card (0.414 lb)
			Approx. 210g with Battery and SD Memory Card (0.462 lb)
OPTICS			
Pixels	Camera Effective Pixels		14.1 Megapixels
CCD	Sensor Size/ Total Pixels/ Filter		1/2.33-in CCD sensor/ 14.5 Total Megapixels/ Primary Color Filter
Lens	Aperture		F3.3 - 5.9/ Multistage Iris Diagram (F3.3 - 6.3 (W)/ F5.9 - 6.3 (T))
	Optical Zoom		16X
	Focal Length		f=4.3 - 68.8 mm (24 - 384 mm in 35 mm equiv.) (28 - 448 mm in 35 mm equiv. in movie recording)
	Extra Optical Zoom (EZ)		18.9X (4:3/ 10M), 22.5X (4:3/ 7M), 27.0X (4:3/ 5M), 33.8X (4:3/ under 3M)
	Intelligent Zoom		20X
	Lens		LEICA DC VARIO-ELMAR
			12 elements in 10 groups
			(3 Aspherical Lenses/ 6 Aspherical surfaces/ 1 ED Lens)
	2-Speed Zoom		Yes
	Optical Image Stabilizer		Power O.I.S. (On/ Off)
	Conversion lens Compatibility		—
	Digital Zoom		4X
			(Max. 64.0X combined with Optical Zoom without Extra Optical Zoom)
			(Max. 135X combined with Extra Optical Zoom)
Focus	Focusing Area		Normal: Wide 50 cm - infinity/ Tele 200 cm - infinity
			Macro/ Intelligent AUTO/ movie recording: Wide 3 cm - infinity/ Tele 100 cm - infinity
	Focus Range Display		Yes
	AF Assist Lamp		Yes
	Focus		Normal/ AF Macro, Zoom Macro, Quick AF, AF Tracking Continuous AF (only for motion picture)
Shutter	AF Metering		Face/ AF Tracking/ 23pt/ 1pt/ Spot
	Shutter Speed		Still: 60 - 1/4000 sec Starry Sky Mode : 15, 30, 60 sec
Finder	Shutter Interval		Approx. 0.7 sec
	Viewfinder		—
RECORDING			
iA	Face Recognition		Photo
	Optical Image Stabilizer		Photo/ Movie
	Intelligent ISO Control		Photo
	Face Detection		Photo
	Intelligent Scene Selector		Photo (Portrait, Scenery, Night Portrait, Night Scenery, Sunset, Macro)
	Intelligent Exposure		Photo/ Movie
	AF Tracking		Photo
	Digital Red Eye Correction (Red Eye Removal)		Photo
	iA Direct Button		—
	Intelligent Resolution Technology		Photo/ Movie
File	File Format		Still Image: JPEG(DCF/ Exif2.3)
			Motion picture: QuickTime Motion JPEG
	AVCHD Lite REC		—
Interface	Mode Switch		[Recording]/ [Playback]
	One-Touch Movie Button		—
Recording Modes	Mode Dial/ Mode Button		Intelligent Auto, P, A, S, M, Custom, SCN, My SCN2, My SCN1, Movie
	Still Image Scene Mode		Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Panorama Assist, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby1, Baby2, Pet, Sunset, High sensitivity, High-Speed Burst (image priority/ speed priority), Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial, Pinhole, Film Grain, High Dynamic (standard/ art/ B&W), Photo Frame, Underwater
	Movie Scene Mode		—
	Continuous Shooting Mode		Full-Resolution Image, 1.9 frames/ sec Max. 5 images (Standard Mode), Max 3 images (Fine Mode) High-Speed Burst Mode: approx. 5.5 frames/ sec (image priority) approx. 10 frames/ sec (speed priority) (recorded in 3M for 4:3, 2.5M for 3:2, 2M for 16:9, 2.5M for 1:1)
	Unlimited Consecutive Shooting		—
	Motion Picture Recording	4:3	VGA: 640 x 480 pixels, 30fps (Motion JPEG)
			QVGA: 320 x 240 pixels, 30 fps (Motion JPEG)
		HD Movie (16:9)	1280 x 720 pixels, 30fps (Quicktime Motion JPEG)
Continuous Recordable Time (motion pictures)	AVCHD Lite with picture quality set to [SH]		—
	MOTION JPEG with picture quality set to [HD]		—
Actual Recordable Time (motion pictures)	AVCHD Lite with picture quality set to [SH]		—
	MOTION JPEG with picture quality set to [HD]		—
Exposure Parameters	Exposure		Program AE, Aperture Priority AE, Shutter Priority AE, Manual
	Exposure Compensation		1/3 EV step, +/-2 EV
	Backlight Compensation		Yes (only in Intelligent AUTO Mode)
	Auto (AE) Bracketing		1/3 –1EV step, Max +/-1, 3 frames
	Multi-Aspect		—
	Light Metering		Intelligent Multiple/ Center Weighted/ Spot
	ISO Sensitivity		Auto/ i.ISO/ 100/ 200/ 400/ 800/ 1600 High Sensitivity Mode (ISO 1600 - 6400)
	Max Auto ISO Setting		—

*1 Recording conditions by CIPA standard
- CIPA is the acronym for Camera & Imaging Products Association.
- Temperature: 23 oC (73.4 oF)/Humidity: 50% when LCD monitor is on.
- Using a Panasonic SD Memory Card (32 MB).
- Using the supplied battery.
- Starting recording 30 seconds after the camera is turned on. (When the optical image stabilizer function is set to [AUTO].)
- Recording once every 30 seconds with full flash every second recording.
- Rotating the zoom lever from Tele to Wide or vice versa in every recording.
- Turning the camera off every 10 recordings and leaving it until the temperature of the battery decreases.
- The number of recordable pictures decreases in Auto Power LCD Mode and Power LCD Mode.

*2 •These are standard times taken at a temperature of 23 oC (73.4 oF) and a humidity of 50%.
- The time available for recording varies depending on the environment, the interval between recordings, and the manner of use.

RECORDING CONTINUED			
Image Parameters	Aspect Ratio		1:1/ 4:3/ 3:2/ 16:9
	Still Picture Recording	1:1	3232 x 3232 (10.5M)/ 2736 x 2736 (7.5M EZ)/ 2304 x 2304 (5.5M EZ)/ 1920 x 1920 (3.5M EZ)/ 1536 x 1536 (2.5M EZ)/ 480 x 480(0.2M EZ)
		4:3	4320 x 3240 (14M)/ 3648 x 2736 (10M EZ)/ 3072 x 2304 (7M EZ)/ 2560 x 1920 (5M EZ)/ 2048 x 1536 (3M EZ)/ 640 x 480 (0.3M EZ)
		3:2	4320 x 2880 (12.5M)/ 3648 x 2432 (9M EZ)/ 3072 x 2048 (6M EZ)/ 2560 x 1712 (4.5M EZ)/ 2048 x 1360 (2.5M EZ)/ 640 x 424 (0.3M EZ)
		16:9	4320 x 2432 (10.5M)/ 3648 x 2056 (7.5M EZ)/ 3072 x 1728 (5.5M EZ) 2560 x 1440 (3.5M EZ)/ 1920 x 1080 (2M EZ)/ 640 x 360 (0.2M EZ)
	Image Quality		Fine/ Standard
	White Balance		Auto/ Daylight/ Cloudy/ Shade/ Incandescent/ White Set (Selectable at Portrait, Soft Skin, Transform, Self-Portrait, Panorama Assist, Sports, Baby, Pet, High Sensitivity, High-Speed Burst, Pinhole, Photo Frame, High Dynamic)
	Quick Menu		Yes
	Color Mode/ Color Effect		Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm, Happy (only in iA Mode)
	Picture Adjustment		—
Others	Still Image with Audio Recording		—
	GPS		—
	Compass/ Barometer/ Altimeter		—/ —/ —
	Motion Deblur		—
	Flip Animation		—
	Real-time histogram		Yes
	Composition Guide line		Yes (2 pattern)
	Auto Review		off, 1 sec, 2 sec, Hold
	Easy Zoom/ Zoom Resume		Yes/ Yes
	Optical Zoom in Motion Picture		Yes
	Macro Zoom		Yes
	Orientation Detector		Yes
	Scene Mode Help Screen		No
	Self Timer		2 sec/ 10 sec
	Focus Icon Select		Yes (in Face Recognition only)
PLAYBACK			
Display	Playback Mode		Normal Playback, Slideshow, Flitering Playback (Picture Only, Video Only, Travel, Category, Favorites), Calendar Playback
	Thumbnails/ Zoomed Playback		12,30-thumbnails/ Yes
	Calendar Display/ Dual-Image Playback		Yes/ No
	Set Favorites/ Rotate Image		Yes/ No
	Playback Still Images with Audio		—
	Playback Motion Picture		Yes (Motion JPEG)
	Slideshow Mode		All/ Picture Only/ Video Only/ Travel/ Category/ Favorites BGM Effect (Natural/ Slow/ Swing/ Urban/ OFF)
	Show Histogram		Yes
	Show Highlights		—
Delete	Delete Image		Single/ Multi/ All/ All except Favorites
	DPOF Print Setting/ Set Protection		Yes/ Yes
Edit	Resize/ Cropping/ Aspect Conv./ Leveling		Yes/ Yes/ No/ No
	Copy/ Title Edit/ Text Stamp		Yes/ Yes/ Yes
	Cut Animation		—
	Video Divide		—
	PictBridge Support		Single/ Multi/ All/ Favorites/ DPOF
SETUP			
	OSD language		Please refer to "OSD" Sheet
	Movie REC Guide		—
	Wind-Cut in Motion Picture		Yes
	Travel Date/ World Time		Yes/ Yes
OTHERS			
Monitor	LCD Monitor		3.0" TFT Screen LCD Display (230K dots)
			Field of View : approx. 100%
			Power LCD Mode, AUTO Power LCD Mode, High Angle Mode
	Touch Panel		—
Tough	Water Proof		—
	Dust Proof		—
	Freeze Proof		—
	Shock Proof		—
Flash	Built-in-Flash		Auto, Auto/ Red Eye Reduction, Forced On, Slow Sync./ Red Eye Reduction, Forced Off
			0.6 - 5.0m (Wide/ ISO Auto), 1.0 - 2.8m (Tele/ ISO Auto)
	External Flash		—
Media	Recording Media		Built-in Memory, SD Memory Card, SDHC Memory Card, SDXC Memory Card
	Built-in-Memory		Approx. 70MB
Audio	Microphone/ Speaker		Mono/ Yes
Interface	Interface		AV Output (NTSC), USB2.0 High-Speed
Network	Viera Link		—
	HDMI Output		—
	LUMIX Image Uploader		Yes
Power	Power		ID-Security Li-ion Battery Pack (3.6V, Minimum: 895mAh) (Included) AC Adaptor (Input: 110 - 240V AC) (Optional)
	Battery Life (approx.)		340 pictures (CIPA Standard)*1
Standard Package	Included Software		PHOTOfunSTUDIO 6.0 QuickTime Adobe Reader Super LoiLoScope (trial version)
	Standard Accessories		Battery Charger, Battery Pack
			AV Cable, USB Cable
			Hand Strap, CD-ROM

- Actual recordable time is the time available for recording when repeating actions such as switching the power supply [ON]/ [OFF], starting/stopping recording, zoom operation etc.
- Motion picture recorded continuously in [MOTION JPEG] is up to 2 GB. Only the maximum recordable time for 2 GB is displayed on the screen.

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